

Application No.: 10/801,326

Docket No.: EL-0545 US NA

Amendments to the Claims

The "Listing of Claims" replaces all prior versions of the claims in the application.

Listing of Claims:

1. (Currently Amended) A copper-based electrode powder composition, ~~comprising~~ consisting essentially of:
copper powder;
cuprous oxide powder; and
lead germanate glass powder.
2. (Currently Amended) The electrode powder composition of claim 1, wherein the electrode powder composition comprises ~~about 84-100~~ 84-88% copper powder by weight of the ~~copper powder~~ composition.
3. (Currently Amended) The ~~copper-based~~ electrode powder composition of claim 2, further comprising: nickel powder in an amount of up to 1% by weight of the ~~copper powder~~ composition.
4. (Currently Amended) The electrode powder composition of claim 1, wherein the electrode powder composition comprises less than 10% cuprous oxide powder by weight of the ~~cuprous oxide powder~~ composition.
5. (Currently Amended) The electrode powder composition of claim 1, wherein the electrode powder composition comprises less than 5% lead germanate glass powder by weight of the ~~lead germanate glass powder~~ composition.
6. (Currently Amended) The electrode powder composition of claim ~~4~~ 5, ~~comprising: wherein the lead is partially replaced with~~ at least one of barium, strontium, calcium, magnesium, manganese and zinc.
7. (Currently Amended) The electrode powder composition of claim ~~4~~ 5, ~~comprising: wherein the germanium is partially substituted by~~ at least one of silicon, zirconium, ~~tin or~~ and titanium.

Application No.: 10/801,326

Docket No.: EL-0545 US NA

8. (Currently Amended) A screen-printing copper electrode composition, comprising: the powder composition of ~~any of~~ claims 1 through 7 dispersed in an organic vehicle.
9. (New) A copper-based electrode paste composition, consisting essentially of:
copper powder;
cuprous oxide powder, and
lead germanate glass powder, dispersed in an organic vehicle.
10. (New) The paste composition of Claim 9, wherein the paste comprises 55-65% copper powder by weight of the composition.
11. (New) The paste composition of Claim 10, further comprising nickel powder in an amount of up to 1% copper powder by weight of the composition.
12. (New) The paste composition of Claim 9, wherein the paste comprises about 5-8% cuprous oxide powder by weight of the composition.
13. (New) The paste composition of Claim 9, wherein the paste comprises about 1-3% lead germanate glass powder by weight of the composition.
14. (New) The paste composition of Claim 13, wherein the lead is partially replaced with at least one of barium, strontium, calcium, magnesium, manganese and zinc.
15. (New) The paste composition of Claim 13, wherein the germanium is partially substituted by at least one of silicon, zirconium, and titanium.
16. (New) The powder composition of Claim 1, incorporated into a capacitor.
17. (New) The paste composition of Claim 9, incorporated into a capacitor.